

VENEZA SLED9070 BRANCA 45° CLUSTER PRETO 10W 4000K 80



Luminária downlight de embutir em forro de gesso ou Dry-wall com facho de abertura 45°. Corpo em alumínio injetado com acabamento da aba na cor branca e anti ofuscante em plástico injetado com acabamento na cor preta. Refletor metalizado e difusor em acrílico transparente. Indicado para iluminação de destaque etc.

Fluxo luminoso – 964 lm

Potência – 11,7 W

Intensidade pico – 2317cd

CCT – 3971K



IRC – 85,0

Coordenada CIE 1931 – x- 0,381 y- 0,373

A x L x C - 49x45x147

Peso - 0,23kg

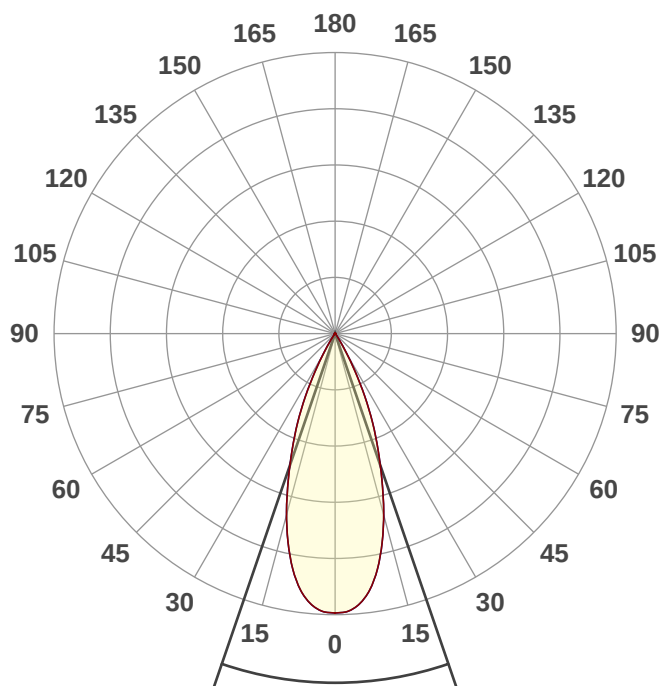
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - Tipicamente 220Vac. (verificar)

Data do ensaio

28/01/2021 10:25:35



Facho de abertura

37,9°

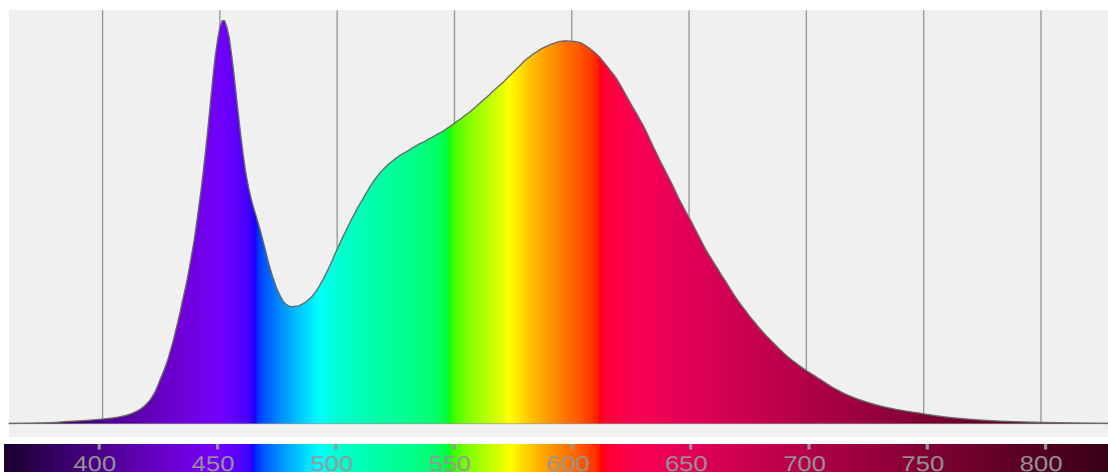
Rf 85,1

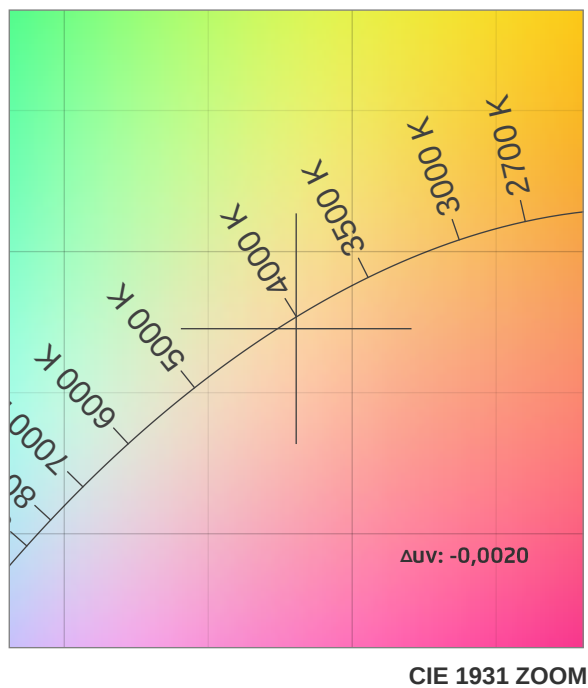
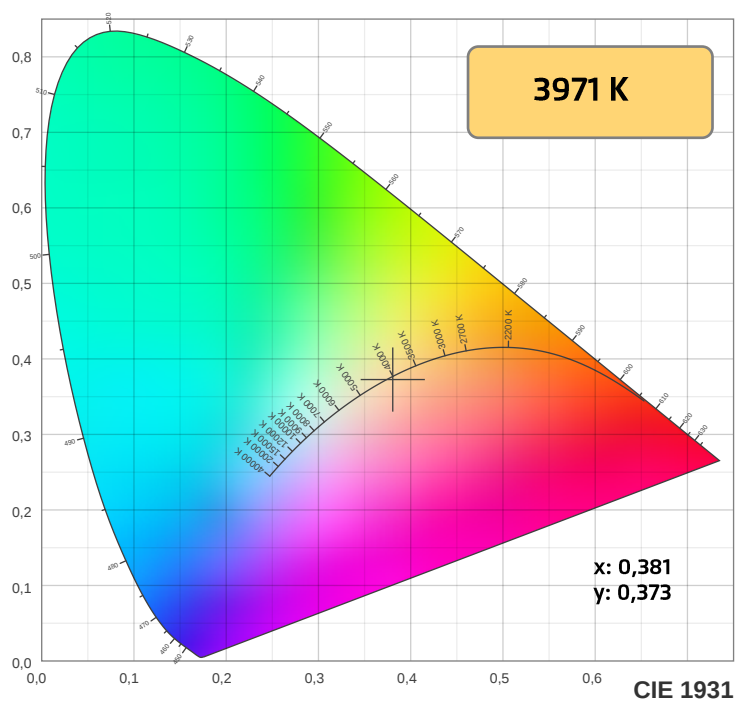
Fidelity index Rf

Rg 96,9

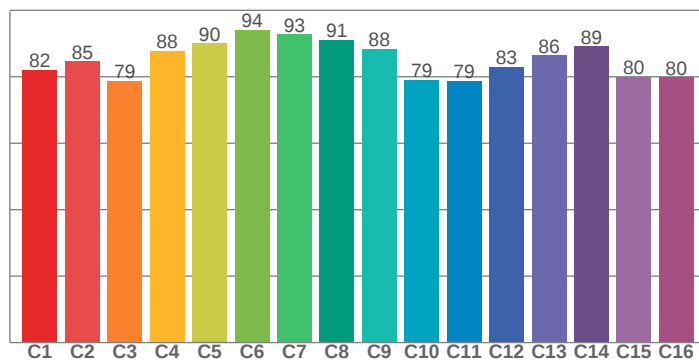
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	82	-11%	-1%
2	85	-7%	6%
3	79	-3%	11%
4	88	1%	7%
5	90	2%	4%
6	94	3%	-1%
7	93	-3%	-3%
8	91	-5%	-1%
9	88	-6%	5%
10	79	-6%	11%
11	79	2%	14%
12	83	6%	7%
13	86	7%	-5%
14	89	6%	-6%
15	80	0%	-15%
16	80	-5%	-12%

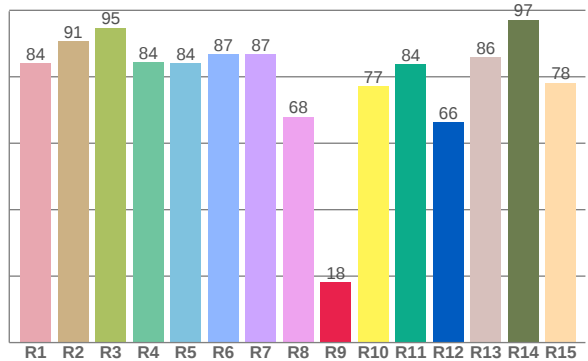




TM-30: 85,1



CRI: 85,0 (R1-R8)



CRiRa R1-R8 / CRire R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
84,2	90,7	94,8	84,5	84,0	86,8	86,8	68,0	18,1	77,2	83,8	66,2	85,9	97,2	78,2

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
82,1	84,6	78,8	87,8	90,0	94,1	92,8	91,0	88,5	79,1	78,7	83,0	86,4	89,2	80,0	79,9

Parametros de cor

Temperatura de cor	Índice de reprodução de cor	Reprodução de cor vermelho R9	Color fidelity	Color gamut	Color quality scale	Coordenada de cor cie 1931	Coordenada de cor cie 1931	Coordenada de cor	Coordenada de cor	Color divition from black body
CCT	IRC	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3971 K	85,0	18,1	85,1	96,9	83,3	0,381	0,373	0,227	0,333	-0,0020

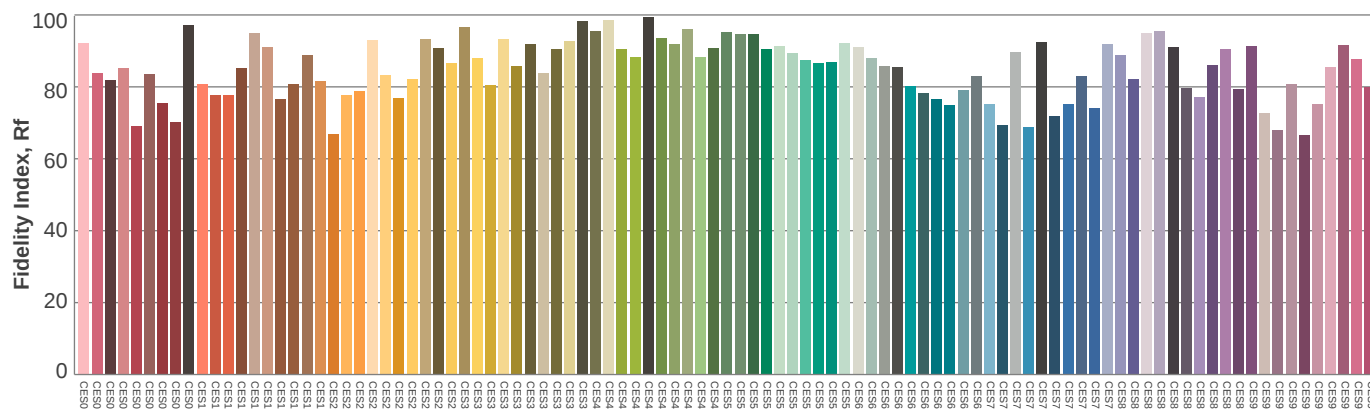
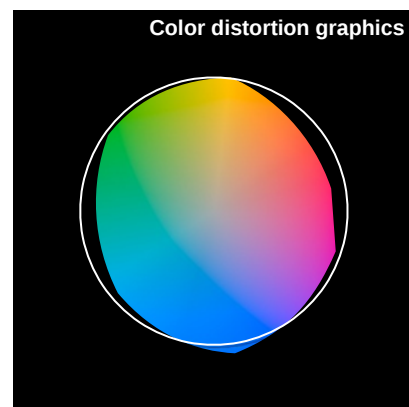
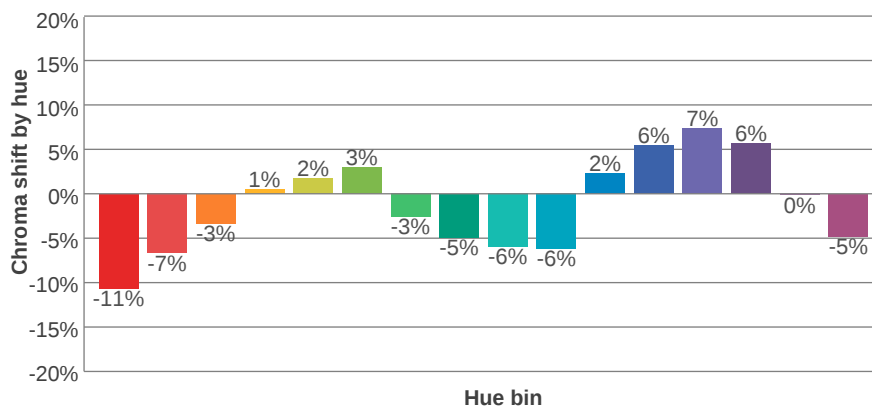
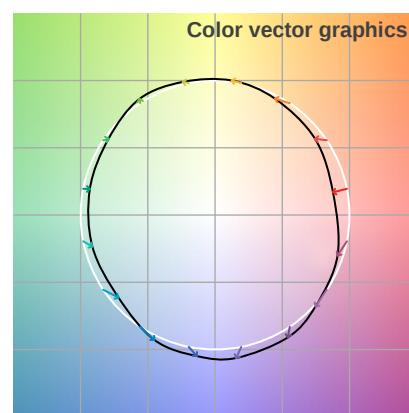
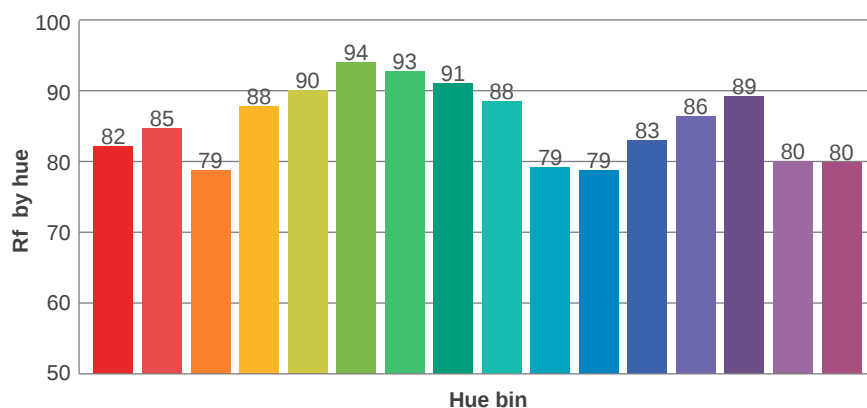
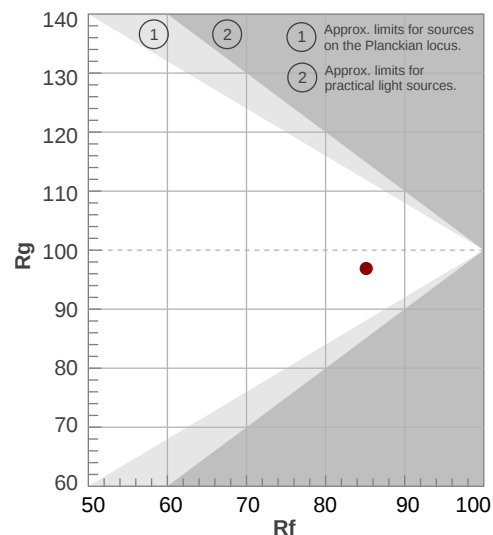
Rf 85,1

Fidelity index Rf

Rg 96,9

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	82	-11%	-1%
2	85	-7%	6%
3	79	-3%	11%
4	88	1%	7%
5	90	2%	4%
6	94	3%	-1%
7	93	-3%	-3%
8	91	-5%	-1%
9	88	-6%	5%
10	79	-6%	11%
11	79	2%	14%
12	83	6%	7%
13	86	7%	-5%
14	89	6%	-6%
15	80	0%	-15%
16	80	-5%	-12%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

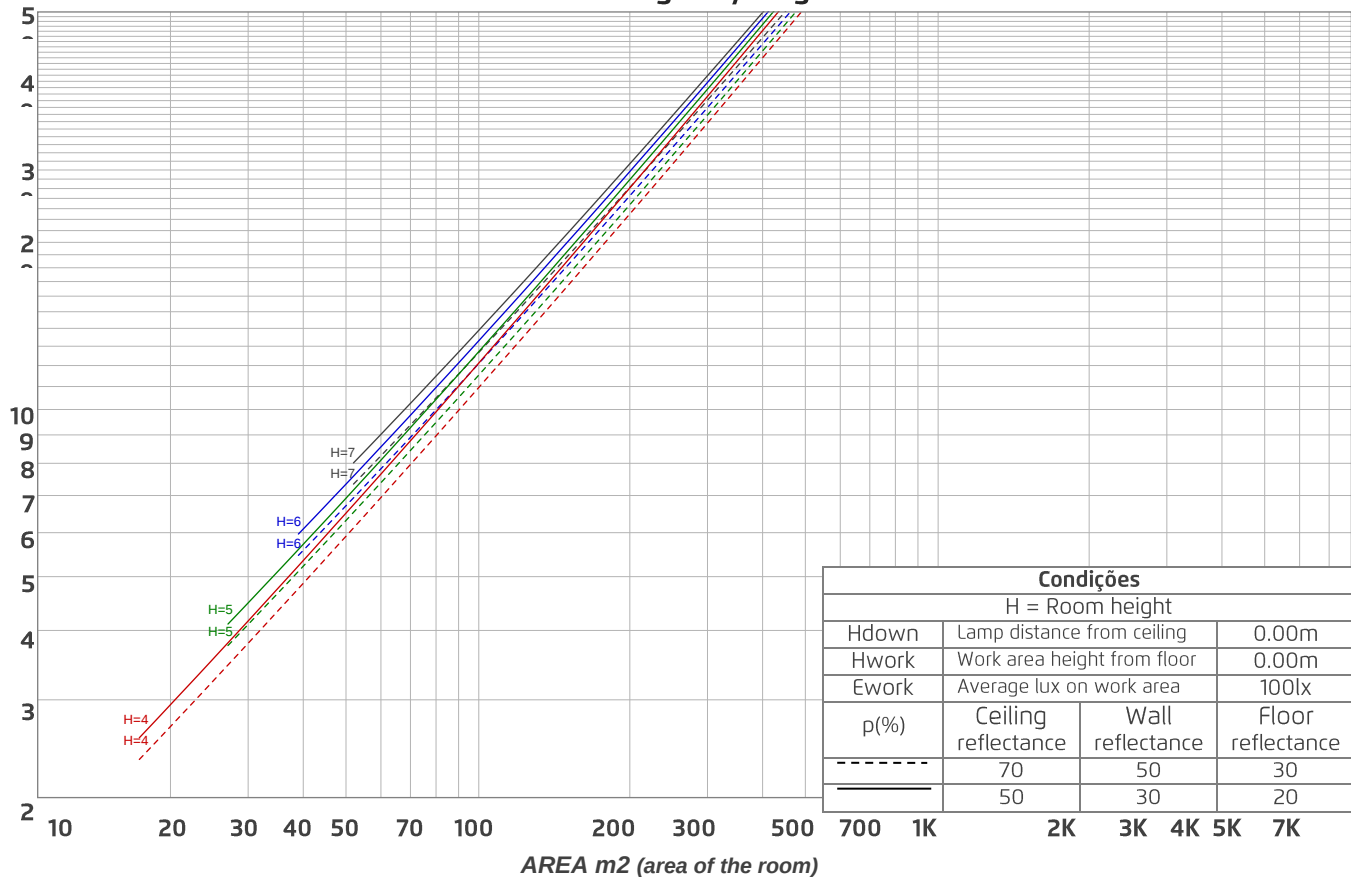
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	9,2	9,7	9,3	9,9	10,1	9,2	9,7	9,3	9,9	10,1
	3H	9,0	9,6	9,4	9,8	10,0	9,0	9,6	9,4	9,8	10,0
	4H	8,9	9,5	9,3	9,8	10,0	8,9	9,5	9,3	9,8	10,0
	6H	9,0	9,5	9,3	9,8	10,2	9,0	9,5	9,3	9,8	10,2
	8H	9,0	9,5	9,3	9,8	10,2	9,0	9,5	9,3	9,8	10,2
	12H	9,0	9,5	9,4	9,9	10,3	9,0	9,5	9,4	9,9	10,3
4H	2H	8,9	9,6	9,4	9,8	10,0	8,9	9,6	9,4	9,8	10,0
	3H	8,9	9,4	9,3	9,8	10,2	8,9	9,4	9,3	9,8	10,2
	4H	8,9	9,3	9,3	9,7	10,2	8,9	9,3	9,3	9,7	10,2
	6H	8,9	9,4	9,4	9,7	10,0	8,9	9,4	9,4	9,7	10,0
	8H	8,9	9,3	9,4	9,7	10,1	8,9	9,3	9,4	9,7	10,1
	12H	9,0	9,3	9,5	9,8	10,2	9,0	9,3	9,5	9,8	10,2
8H	4H	8,7	9,2	9,3	9,5	9,9	8,7	9,2	9,3	9,5	9,9
	6H	8,8	9,1	9,3	9,6	10,1	8,8	9,1	9,3	9,6	10,1
	8H	9,0	9,2	9,5	9,7	10,3	9,0	9,2	9,5	9,7	10,3
	12H	9,2	9,4	9,8	9,9	10,5	9,2	9,4	9,8	9,9	10,5
12H	4H	8,7	9,0	9,2	9,4	9,9	8,7	9,0	9,2	9,4	9,9
	6H	8,9	9,1	9,4	9,6	10,2	8,9	9,1	9,4	9,6	10,2
	8H	9,0	9,1	9,6	9,7	10,3	9,0	9,1	9,6	9,7	10,3
Variation of the observer position for the luminaire distance S											
S = 1.0H		4,9 / -2,8					4,9 / -2,8				
S = 1.5H		7,4 / -3,2					7,4 / -3,2				
S = 2.0H		9,3 / -4,4					9,3 / -4,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 964 lm total luminous flux											

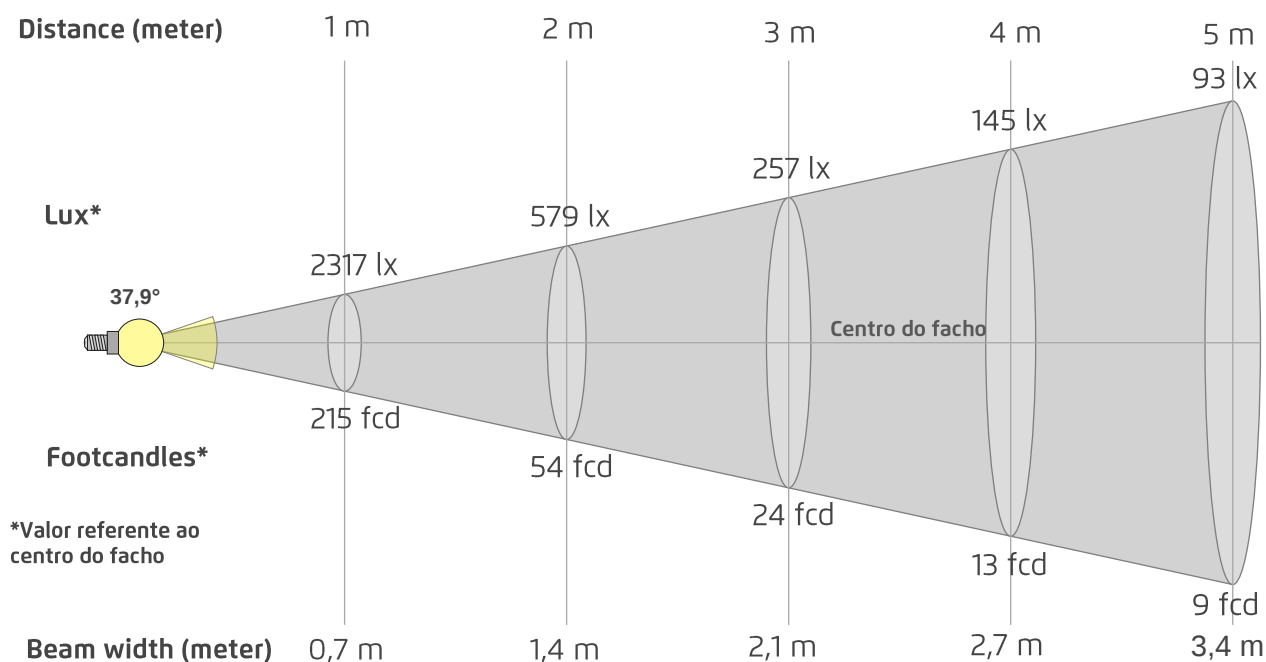
Coeficiente de utilização

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	98	97	97	95
2	110	106	103	100	108	104	101	99	101	98	96	98	96	94	95	93	92	91
3	106	101	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87
4	102	96	91	88	100	95	90	87	92	89	86	90	88	85	89	86	84	83
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79
6	95	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	73
8	88	81	76	72	87	80	75	72	79	75	72	78	74	72	77	74	71	70
9	85	77	73	70	84	77	72	69	76	72	69	75	72	69	74	71	69	68
10	82	75	70	67	81	74	70	67	73	69	67	73	69	66	72	69	66	65

Quantidade de luminárias

Luminaire budgetary diagram





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
2317lx	579lx	257lx	145lx	93lx	64lx	47lx	36lx	29lx	23lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	6lx	6lx
215,2fcd	53,8fcd	23,9fcd	13,5fcd	8,6fcd	6fcd	4,4fcd	3,4fcd	2,7fcd	2,2fcd	1,8fcd	1,5fcd	1,3fcd	1,1fcd	1fcd	0,8fcd	0,7fcd	0,7fcd	0,6fcd	0,5fcd

Intensities in 0° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2317	2309	2276	2216	2126	1997	1833	1651	1455	1249	1055	875	695	516	346	209	120	64	34	20
100%	100%	98%	96%	92%	86%	79%	71%	63%	54%	46%	38%	30%	22%	15%	9%	5%	3%	1%	1%

Intensities in 90° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2317	2309	2276	2216	2126	1997	1833	1651	1455	1249	1055	875	695	516	346	209	120	64	34	20
100%	100%	98%	96%	92%	86%	79%	71%	63%	54%	46%	38%	30%	22%	15%	9%	5%	3%	1%	1%

Intensities in 180° c-plane

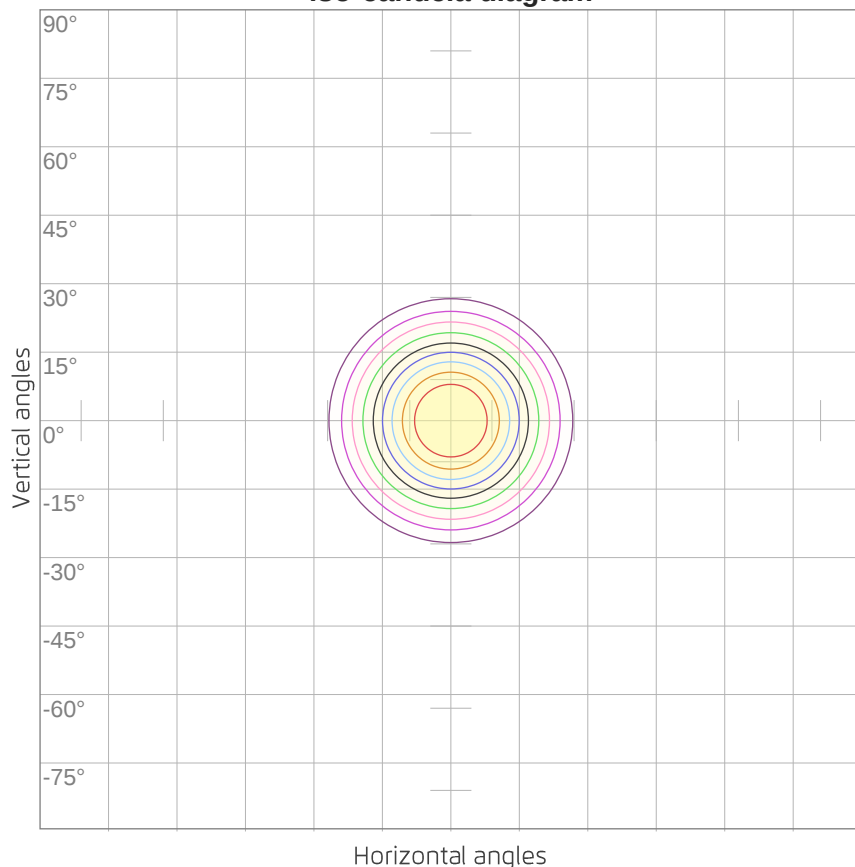
0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2317	2309	2276	2216	2126	1997	1833	1651	1455	1249	1055	875	695	516	346	209	120	64	34	20
100%	100%	98%	96%	92%	86%	79%	71%	63%	54%	46%	38%	30%	22%	15%	9%	5%	3%	1%	1%

Intensities in 270° c-plane

0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°
2317	2309	2276	2216	2126	1997	1833	1651	1455	1249	1055	875	695	516	346	209	120	64	34	20
100%	100%	98%	96%	92%	86%	79%	71%	63%	54%	46%	38%	30%	22%	15%	9%	5%	3%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
37,9°	59,3°	68,7°	98,8%	97,9%

iso-candela diagram



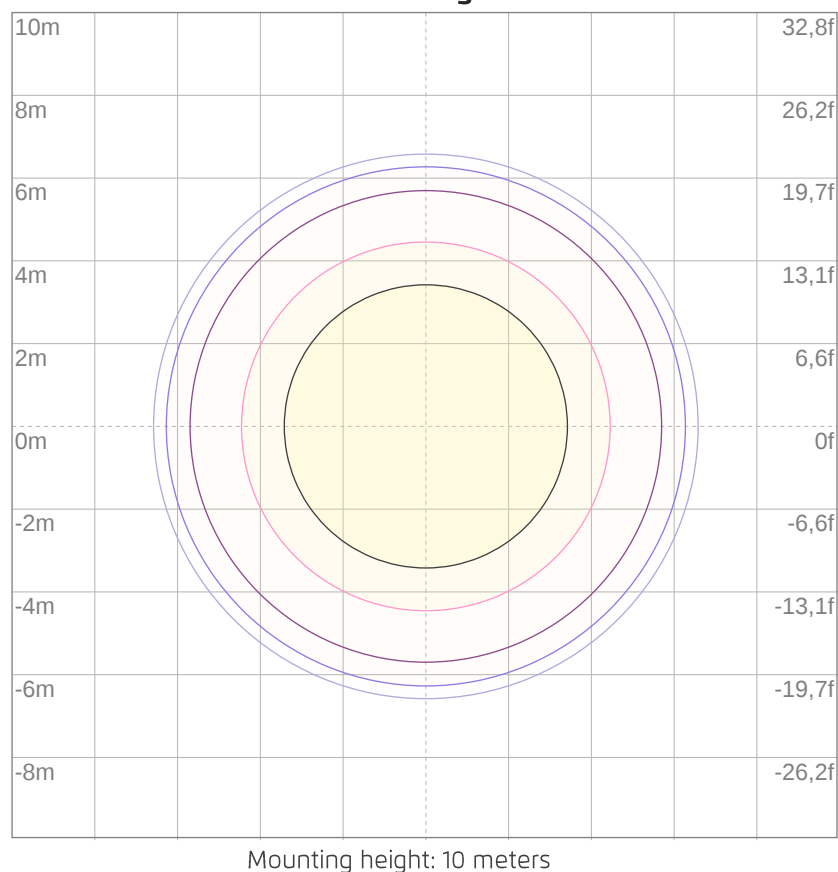
10%	232 cd
20%	463 cd
30%	695 cd
40%	927 cd
50%	1158 cd
60%	1390 cd
70%	1622 cd
80%	1854 cd
90%	2085 cd

Conditions:

Number of c-planes: 16

Candela at center: 2317 cd

iso-lux diagram



3%	0,695 lx
5%	1,16 lx
10%	2,32 lx
30%	6,95 lx
50%	11,6 lx

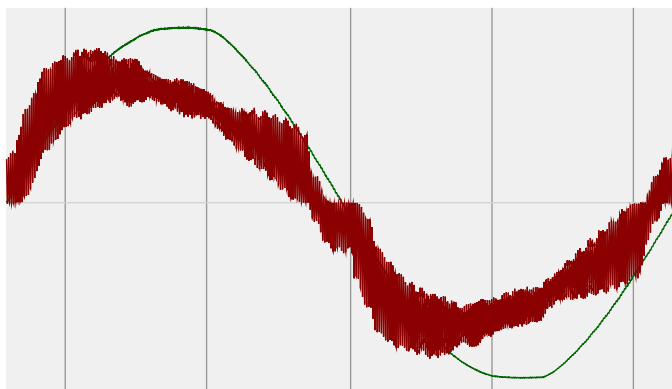
Conditions:

Number of c-planes: 16

Lux at center: 23,2 lx

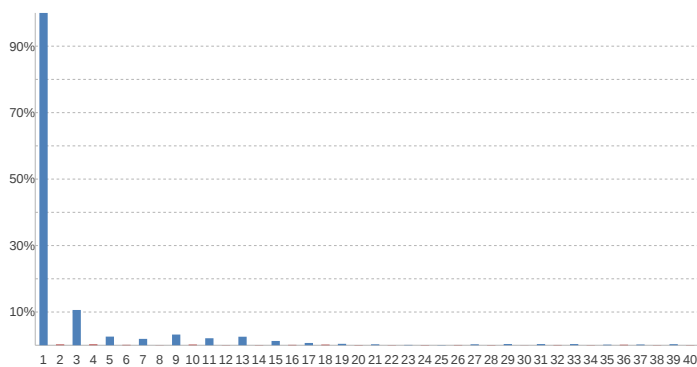
Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Potência



Voltagem: 229 V
Corrente: 0,055 A
Frequência: 60,1 Hz
FP: 0,93

THD



THD corrente: 12,17
THD tensão: 1,56